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249 is again let in once in three or four days. After a comparatively short space of time when the plants have grown, the heaps of earth separating the two rows of plants are made higher and broader. From that time onwards water is let in once in three or four days till the crop is full. After three months when the cane has grown, two or three stalks are bound together by means of its dried leaves. When the stalks are still higher once more they are tied together at the top. Then long rods with forked ends are planted in the ground and long bamboos are laid in a line with the trenches, resting in the forks and the canes are tied to them. In this way the binding goes on for about eight or nine months as the stalks grow longer and longer. When they are full they are cut and removed. The crop is carried about one year or a little more after the cultivator starts getting the land ready. The country wooden plough is used for all purposes, the other implements being yoke, picottah bucket made of leather and sometimes of iron, *yetham-bana*,* *palikimanu*, *guntaka*, *gorru*, *palikiguntaka*, *mamoti*, reaping hook, shorthandled hoes.

231 *Stock*—

Working oxen	45	including paracheri.
Oxen not in a fit condition to work ...	65	
Male buffaloes	6	
Cow buffaloes	15	
Young stock of above species up to a year old	59	
Horses	...	
Donkeys and mules	4	
Sheep	47	
Goats	8	
Pigs	18	
Cows	85	

The cattle are of the well-known Punganur breed, rather light, but quick and active. The villagers breed cattle, and buy and sell in the cattle fair held annually in Punganur.

241 *Manuring.*—Most of the dung, about 90 per cent, is used as manure, the rest being utilized for household purposes.

237] Cattle urine is allowed to run to waste. The dung of goats, sheep, pigs, donkeys is used as manure.

Except the leaf of the kanaga tree, no green manure is used. This is obtained from topes planted many years ago. Sometimes it is taken on contract from the zamindar from the jungle all round.

There are practically no gardens, all the lands being used to grow grain. It is only now that beginnings are being made. Small plots of land are being planted with mango-grafts. The karnam of the village started this.

242 *Insect-pests.*—*Thellachida* affects generally paddy crop, eats away the leaves and stalks.

782 *Pethachida* affects all crops; consists of innumerable kinds of insects, eating away all the leaves.

Aggijadyam.—Paddy turns a vivid scarlet.

Kondapurirogam.—The worst pest affecting rice. The whole crop is consumed as by fire. The long stalks get shrivelled up to a ridiculously small length. To get a crop is impossible when once this sets in.

Locusts.—These destroy the crops.

* Vide p. 105.

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242 The people think that these are all visitations of goddesses and [782] accordingly offer a sheep, or pig, or a white hen or cock as a sacrifice.

232 *Cattle diseases—Kurama.*—The ox or cow when it suffers from this refuses food, shivers, suffers as from cold. *Domma*—Shivering, swelling of the stomach and purging. *Chalidomma*—Swelling starts at some portion of the body, extends to the neck and proves fatal. *Nalupu jadyam*—Purging and dying. *Gundasala*—The heart bursts in this. *Musara*—Ulceration all over and refusal of food.

Medicines are prepared out of omum, assafœtida, turmeric, pepper, onions and like articles and some medicinal herbs found in woods and forests.

Up till now no assistance has been given by the Agricultural department.

313 Fuel is obtained from the jungle near by. Wood for building and implements is obtained from the Avulapalle forest, a magnificent forest abounding in good game, belonging to the zamindari itself. The distance from here is about a dozen miles.

342 *The village.*—The depressed castes live in circular thatched huts. Everything is dirty inside and out. The dwelling is circular consisting of but one room which serves for all purposes. Generally the diameter of the house is about 22 feet.

There are thirty houses in the caste village; three are terraced, none tiled, one earthen-roofed, all the rest thatched.

[437] The ryots occasionally exchange lands to get their lands continuous. Field huts are used only at harvest time.

463 *Subsidiary industries.*—There are no weavers at all now. [376] Handspinning was once practised when cotton was raised locally, but abandoned about thirty-five years ago, because cotton is no longer raised.

465

Crafts.	Working time.	Earnings.	Remarks.
Blacksmith ...	About 75 per cent.	Rs. 40 or Rs. 50 per annum.	He does not work every month. It is at harvest times that he gets mamuls called *thirijamu* and *mera*. These amount to about three or four putties; 1 putti = 160 Madras measures [i.e., 400 lb.—Ed.]
Dommara ...	Almost always.	Rs. 15 or Rs. 20 per annum.	Makes wooden combs.
Potter	Do.	Rs. 70 or Rs. 80 per annum.	Not only sells to others, but also gets the same mamuls as the blacksmith from the ryots at harvest time.

438 *Village trade.*—Wood required for agricultural and industrial purposes is purchased in the forests belonging to the zamindari above mentioned. Iron implements are purchased in Punganur, or Chouldepalli.

The nearest market is Kandur, a village 3 miles off.

Whatever is grown in the village and required for household purposes is retained by the villagers. The rest is all sold.

361 There is a local road which passes by this village running from
489 Somala to Kalikiri. This local road connects with the trunk road running from Punganur to Chandragiri. The nearest railway